

**GLOBAL COMMAND AND CONTROL SYSTEM (GCCS)
GCCS (HP) Release Bulletin SEGMENTS Version 2.2.1**

rev 0

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FORWARD

I. Procedures Required Prior to Segment Installation

When configured to comply with security requirements in the Global Command and Control System (GCCS) Trusted Facility Manual for Version 2.1 with Change 1, the oradba account is verified (internally to Oracle) with a password. However, GCCS database segments have not yet been modified to comply with this requirement, so the oradba account must be modified temporarily to allow database segment loading.

If your site has configured the oradba account to verify the password internally, the following procedures should be used prior to installing application database segments and creating database users:

<u>System Prompt</u>	<u>Response</u>
<i>machine name#</i>	su - oradba
<i>oradba@machine name%</i>	sqlplus oradba
Enter password:	<Oracle password>
SQL>	alter user oradba identified externally;
User altered.	
SQL>	exit

Following installation of all database segments, these procedures should be used to reset the oradba account so that it requires an internal password:

<u>System Prompt</u>	<u>Response</u>
<i>oradba@machine name%</i>	sqlplus /
SQL>	alter user oradba identified by <Oracle password>;
User altered.	
SQL>	exit

II. Using The Remote Tape Drive During Segment Installation

Similarly, the GCCS TFM also requires the user to remove the hostname entries in the .rhosts file, which prohibits remote segment installations on the local network. If segment installation requires access to the tape drive on another local host, the installer will have to do the following:

- 1) Remote login to the machine with the tape drive.
- 2) Switch to user "root"
- 3) If the .rhosts file does not exist, the hostname must be created.
- 4) Edit the .rhosts file; add the following to the end of the file:
+ hostname

(Where hostname is the name of the system on which SAInstaller will be run)

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- 5) Switch back to SAInstaller and install segments as needed
- 6) After loading the last segment, return to the remote login window and remove the “+ hostname” entry from the .rhosts file.

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Command Center Applications (3.1.2.01:02/26/97) (CCAPPS) (HP)

SEGMENT DESCRIPTION

The GCCS Command Center Applications (CCAPPS) is a suite of headquarters command center applications that is tightly integrated with the GCCS Executive Manager. It consists of a set of integrated applications providing the following operational capabilities: Staff Journal, Information Management, End User Generated Database Applications, Suspense/Tasking, Messaging, and a Folder System that underlies all of the Command Center Applications.

CCAPPS incorporates the latest patches to a new PLA table, and is considered a roll-up of all prior CCAPPS patches. It also now supports the Cavalier CBT and SAT terminals and provides DD173 message format validation.

This segment is no longer dual platform compatible. This segment is only compatible with HP clients.

FIXES / NEW FEATURES

This release updates the following:

1. All previous versions of CCAPPS for HP are rolled up within this version.
2. Changes were made to the Message Manager application to now support both Cavalier SAT and CBT terminals. Also, for sites using the DD173 message format, the MTF Editor application was modified to include a page count in the DD173 message header.
3. The Message Manager now supports validation of the DD173 Message format.

INSTALLATION INSTRUCTIONS

NOTES:

- C Before deinstalling Cmd Ctr Apps (CCAPPS), copies of certain files should be made to retain site unique information. The following files should be copied to a safe area:

/h/data/global/EMDATA/pla_tables (all files)
/h/COTS/APPLIX/axlocal/elf/mtf_editor.am
/h/CCAPPS/data/config/Mv.CCA

- C A new MV.CCA will be loaded during the install. Ensure you modify
/h/CCAPPS/data/Config/Mv.CCA to contain your site PLA. Modify the MTF_SITE entry.
-

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02.

Step 2: Install CCAPPS 3.1.2.01.

The following will be presented to the installer:

******* No dialog is presented.*******

USAGE

Making Necessary File Modifications

Remember to examine the following files to see if changes occurred:

/h/COTS/APPLIX/axlocal/elf/mtf_editor.am
/h/data/global/EMDATA/pla_tables/Ri.CCA
/h/data/global/EMDATA/pla_tables/Class.CCA
/h/data/global/EMDATA/pla_tables/MAST_PLA.CCA
/h/CCAPPS/data/config/Mv.CCA

Copy back your saved file if the change only involves your site unique information. Otherwise, add your site unique information to the new file.

SEGMENT DESCRIPTION

This segment should be loaded on your Application servers and all JOPES clients. Load XTP before loading RDA 1.8.2.01.

This release updates the following:

1. G61382 - System Service Merge is merging transactions into JOPES Core Database that are being rejected by TP at the other sites on distribution. (See Known Problems).
2. Do not fail a transaction because five or more Minor Errors are processed or discovered in it. Continue processing and print out a description of the Minor Error (each of them) in the error log.
3. When Oracle goes down, the TDS applications try to reconnect Oracle without performing a disconnect first.
4. Force description field is being deleted if any character in the field is a '#'.
The description field is not being deleted if the character is a '#' and the field is not empty.
5. For large text fields, change the pound sign logic so that a # in the first character of the first "field" of the text means delete the whole text field, and a # in the first character of a line of text within the field does not mean delete.

INSTALLATION INSTRUCTIONS

NOTE: Deinstall any previous External Transaction Processor (XTP) segment before installing this new update.

Step 1: Verify installation of required segments:
GCCS COE 2.2.0.5.02; and
ORACLE Application Server Tools 7.1.4.06.

Step 2: Install XTP 5.6.0.8.

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The following will be presented to the installer:

*******No dialog is presented.*******

KNOWN PROBLEMS

This release contains the following known problems:

1. The System Services Merge function does not provide the edit function that is currently provided by XTP.
2. The System Services Merge Function does not provide a log or report to indicate transactions that are rejected.

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XTP-2

GCCS 2.2 HP Operating System Patch (3.0:02/18/97) (HPOSPTC) (HP)***SEGMENT DESCRIPTION***

The HP OS Patch 3.0 corrects problems in the HP Operating System for the Global Command and Control System (GCCS), Version 2.2. All Future HP OS Patch Segments (e.g. HP OS Patch 4.0) will be roll-ups of all previous HP OS Patch segments, and the deinstall/reinstall will happen automatically when the new HP OS Patch is installed.

In order for the correction to the COEExecMgr contained in the roll-up of patch 2.0 to take effect in UB, minor modifications of two data files from "UB Core" (part of the GCCS COE" aggregate segment) are required. This segment will make those modifications to ub if GCCS COE has already been loaded. If, therefore, a system is being clean-loaded, it may be desirable to load this patch after the GCCS COE; this is perfectly acceptable.

It should also be noted that the requisite corrections to UB will be included with UBPATCH 3.0.1.6GP4, to be delivered after this patch. If UBPATCH 3.0.1.6GP4 is available, then it should be loaded, and the load order of this OS patch becomes moot.

This segment should be loaded on all Workstations.

FIXES / NEW FEATURES

This release updates the following:

1. Corrected device file entries for serial ports and hard disk drives for HP TAC-4 machines (HP-712 and HP-770/J210).
2. Corrected a problem in COEExecMgr that caused session-close-time conflicts with ELVIS and potentially other segments.
3. Modified several SysAdm/SecAdm shell scripts to change references to the environment variable "HOST", due to apparent conflicts reported from the field.
4. Included roll-up of all previous HPOSPTC patches (specifically, HPOSPTC 1.0).
5. Corrected a bug in the SAInstaller which caused the installer to terminate abnormally when one of the loaded segments is NFS mounted from a currently unavailable machine (e.g. ORANFS mounts ORACLE this way).
6. Corrected a limitation in the SysAdm and SecAdm account groups to permit the use of hostnames of length 8 (one critical Admin Manager function formerly restricted hostnames to 7 characters).

7. Included a fix (also included in HP OS 2.3.0.4) to the SAINSTALLER script to ensure the HP NIS services table is up to date. Allows an HP OS 2.3.0.3 based GCCS 2.2 system, with this patch, to be functionally equivalent to a 2.3.0.4 system with the patch.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of the required software:
UNIX OS 2.3.0.3.

NOTE: Loaded either from the bootable destructive load OS tape or using GCCS 2.2 upgrade segment.

Step 2: Install HP OS Patch 3.0.

The following will be presented to the installer:

```
The user is prompted to reboot the system because COEExecMgr runs
at boot time.
```

RDA (1.8.2.01:03/11/97) (RDA) (HP)

SEGMENT DESCRIPTION

RDA provides a capability to create, add, modify, delete, and generate output on deployment-related information contained in an Operation Plan (OPLAN) Time Phased Force Deployment Data (TPFDD). The specific types of functionality include:

- Plan Population and Maintenance
- Requirements Generation and Maintenance
- Availability of Unit Information
- Force Module Development and Maintenance
- Availability of Reference File Information
- Pre-Defined Reports/Retrieval Generation (through PDR segment).

This TPFDD edit capability is a critical tool for deliberate or peacetime planning and time-sensitive or Crisis Action Planning (CAP).

This segment should be loaded on your Client or Application Server. RDA requires the External Transaction Processor (XTP) segment. Load XTP 5.6.08 before loading RDA 1.8.2.01.

FIXES / NEW FEATURES

This release updates the following:

1. Database synchronization fixes: ULN Details, CIN Details, PIN Details, and Plan Summary have been fixed to correctly apply # logic in free form text fields. If a # is entered into the first position of the field, the field is blanked out on the screen, a # is placed in the transaction and the field is updated to null in the database.
2. G70037 - Manual Merge now correctly creates CIN and PIN transactions.
3. G70032 - Release Notes changed to reflect correct procedure to start RDA from Xterm window.
4. DPWG #156 - Mini Timeline now displays the UIC.
5. DPWG #149 - ULN, CIN, and PIN Details now have a Refresh Screen button and a Refresh Field button.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:

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GCCS COE 2.2.0.5.02;
ORACLE Application Server Tools 7.1.4.06;
External Transaction Processor (XTP) 5.6;
PERL 5.001;
Tcl/Tk Application 1.0; and
JOPES Navigation 2.7.0.

Step 2: Install RDA 1.8.2.01(HP).

The following will be presented to the installer:

******* No dialog is presented.*******

KNOWN PROBLEM

This release contains the following known problem:

The UIC field is not treated as a free form text field. If # is placed in the first position, a warning will appear stating the UIC is not valid. If the User elects to keep the entry, the field will not be deleted on the ULN Details screen, but a transaction will be cut with the # in the first position and the field will be updated to null at all other databases.

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RDA-2

Tactical Information Broadcast Service (2.1.4.01:03/11/97) (TIBS) (HP)

SEGMENT DESCRIPTION

The Tactical Information Broadcast (TIBS) segment allows for the parsing of the Tactical Information Broadcast (TIBS) by COP machines. When coupled with its classified counterpart, it allows for the reception of amplifying track data that is transmitted on the TIBS.

The segment should only be installed on the TDBM Master machine.

FIXES / NEW FEATURES

This release updates the following:

1. This integration redelivery corrected the requires file. For example the JMCISApps is required in order to ensure that full UB capability exists on the machine onto which this segment is installed. Additionally, the TIBS Encoders and Decoders are classified and are supplied by the TIBS Secret Segment. Full TIBS receive capability will not be attained unless the TIBS Secret Segment is loaded.
2. Ported TIBS 2.1.3 to GCCS/ Solaris.
3. Fixed Gdb mapping problems that caused memory errors.
4. Changed the way TibsConfig maintains the encoder and decoder names in the Channels file.
5. Updated TibsProcess' and TibsBdcst's use of signals to POSIX compliance.
6. Enable Gdb mapping process to handle a data file with no functions to perform.

INSTALLATION INSTRUCTIONS

NOTE: Warning. Read all documentation before loading this segment. Do not load this segment onto non-COP/UB machines

Step 1: Verify installation of required segments:
GCCS COE 3.0.1.1; and
UB Core 3.0.1.6G.

Step 2: Install TIBS 2.1.4.01.

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The following will be presented to the installer:

*******No dialog is presented.*******

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TIBS-2

UB 3.0.1.6GP3 (3.0.1.6GP3:01/27/97) (UBPATCH 3) (HP)***SEGMENT DESCRIPTION***

The UBPATCH 3 upgrades the functionality of a GCCS 2.2 machine with UB fully loaded. The updated programs and data span the contents of the various UB segments (GCCS COE, JMTK, UBApps, JMCISApps, and Printer), as these are inter-related. All future UBPATCH segments (e.g. UBPATCH 3.0.1.6GP4) will be roll-ups of all previous UBPATCH segments, and the deinstall/reinstall will happen automatically when the new UBPATCH is installed.

This segment should be loaded where UB Server and UB Client are loaded.

FIXES / NEW FEATURES

This release updates the following:

1. Includes roll-up of all previous 3.0.1.6G patches.
2. Enhances the functionality of the UB ATO processing, adding features such as the ability to attach link tracks by mode-2 to targets so that ATO can be monitored as it is carried out.
3. Adds LOS Profile capabilities to the system, allowing a graphic elevation profile of the line of sight between two selected points on the display (DTED map data only).
4. Adds a LK11ADS (Link 11 ADSI) interface to the list of available interfaces, allowing the Link-11 Indian-Head protocol to receive real-time ADSI link track information and plot the tracks using a stereo graphic projection on the geodisplay.
5. Increases maximum JUNIT count in TDBM by 1150 to a total of 1650. Also included a new SysAdm menu option to reconfigure the maximum track limit distributions by track type. Reconfiguration requires reboot of all systems on the LAN running UB.
6. Corrects the ability of the Set View Filter application to crash System Chart if the View window was not already launched.
7. Corrects a number of bugs with the "ATOX+" software (ATO processing). Enables receipt of VERY long "NARR" entries, corrected MERGE problems (deleted CHANGE message, or original ATO with no CHANGE's received yet). Corrects first TASKUNIT failure to plot.
8. Adds the capability to display link tracks by Mode-3 IFF value. The Mode-3 option is now available from the Plot Controls/Symbol Labels window.
9. Under UB's Track Status window, adds capability for users to see maximum track database size by

track type. These max values are configurable through a sysadmin option, but they can now be viewed through Track Status.

10. Corrects potential socket-related instability in QueryServer executable, which could have caused processes connecting to QueryServer to lock up if incorrect data was passed.
11. Modifies Mdx data file for MdxTrkBdcst encoder to increment number of slots field, to help protect against data loss in burst situations.
12. Rewrites Printer Setup windows using Motif window manager so that Mixed Case is now supported in the Printer Name field. This removes the restriction that all printers used by UB must be ALL CAPS.
13. HP ONLY: Corrects a problem with the version file of the GCCS Account Group that was causing the "GCCS REV 2.2" version number to appear incorrectly during a user session.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 3.0.1.6.G;
UB Applications 3.0.1.6;
Joint Mapping Toolkit 3.0.1.6; and
UB Core 3.0.1.G.

Step 2: Install UBPATCH 3.0.1.6.GP3.

The following may be presented to the installer if patch two was not previously installed:

UPON COMPLETION OF UBPATCH DEINSTALLATION YOU MUST REBOOT THE SYSTEM AND ALL OF ITS CLIENTS.

OK

UPON COMPLETION OF UBPATCH INSTALLATION YOU MUST REBOOT THE TBDM MASTER AND ALL CLIENTS ASSOCIATED WITH THIS SYSTEM.

OK

UB Suppress (1.0.01:02/25/97) (UB_SUPPRESS) (HP)

SEGMENT DESCRIPTION

The UB Suppress 1.0.01 segment is designed primarily to suppress UB core background process launch on workstations that do not run UB. Core process launch is normally UB enabled by the installation of the GCCS COE aggregate segment (which includes UB core).

This segment should be installed on any workstation where UB is NOT operational.

FIXES / NEW FEATURES

This release updates the following:

Created a segment that, at each workstation boot time, if the critical UB segments are not loaded (neither UBApps nor JMTK), will cause UB core processes (e.g., Tdbm) not to be launched in the background.

INSTALLATION INSTRUCTIONS

Step 1: Verify installation of required segments:
GCCS COE 3.0.1.6.G; and
UB Core 3.0.1.6.

Step 2: Install UB Suppress 1.0.01.

The following will be presented to the installer:

YOU MUST REBOOT FOR CHANGES TO TAKE EFFECT.

OK

USAGE

The absence of unneeded background UB processes will save network usage and a small amount of processing speed and will provide a significant reduction of socket usage on the TDBM Master. If UB is later installed on that machine, the segment will sense the change and will allow the core processes to be launched at next reboot.